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SEQUENCE LISTING

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 Hinton, Paul
 Tsurushita, Naoya

<120> ANTIBODIES AGAINST CTLA4 AND USES THEREFOR

<130> GNN-009CP

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<150> 60/178,473

<151> 2000-01-27

<160> 10

<170> PatentIn Ver. 2.0

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<213> Homo sapiens

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Val Phe Cys Lys Ala Met His Val Ala Gln Pro Ala Val Val Leu Ala
35 40 45

Ser Ser Arg Gly Ile Ala Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly
50 55 60

Lys Ala Thr Glu Val Arg Val Thr Val Leu Arg Gln Ala Asp Ser Gln
65 70 75 80

Val Thr Glu Val Cys Ala Ala Thr Tyr Met Met Gly Asn Glu Leu Thr
85 90 95

Phe Leu Asp Asp Ser Ile Cys Thr Gly Thr Ser Ser Gly Asn Gln Val
100 105 110

Asn Leu Thr Ile Gln Gly Leu Arg Ala Met Asp Thr Gly Leu Tyr Ile
115 120 125

Cys Lys Val Glu Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly
130 135 140

Asn Gly Ala Gln Ile Tyr Val Ile Asp Pro Glu Pro Cys Pro Asp Ser
145 150 155 160

Asp Phe Leu Leu Trp Ile Leu Ala Ala Val Ser Ser Gly Leu Phe Phe
165 170 175

Tyr Ser Phe Leu Leu Thr Ala Val Ser Leu Ser Lys Met Leu Lys Lys
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Arg Ser Pro Leu Thr Thr Gly Val Tyr Val Lys Met Pro Pro Thr Glu
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<211> 426

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<213> Mus musculus

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 35 40 45
 Thr Ser Tyr Gly Val Tyr Trp Val Arg Gln Pro Pro Gly Lys Gly Leu
 50 55 60
 Glu Trp Leu Gly Val Ile Trp Ala Gly Gly Thr Thr Asn Tyr Asn Ser
 65 70 75 80
 Ala Leu Met Ser Arg Leu Ser Ile Ser Lys Asp Asn Ser Lys Ser Gln
 85 90 95
 Val Phe Leu Lys Met Ser Ser Leu Gln Thr Asp Asp Thr Ala Met Tyr
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 <212> DNA
 <213> Mus musculus

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 Met Pro Ala Ser Pro Gly Glu Lys Val Thr Met Thr Cys Ser Ala Thr
 35 40 45
 Ser Ser Ile Thr Tyr Met Ser Trp Tyr Gln Gln Lys Ser Gly Ser Ser
 50 55 60
 Pro Arg Leu Leu Ile Tyr Asp Thr Ser Asn Leu Ala Ser Gly Val Pro
 65 70 75 80
 Val Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile
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 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Humanized mouse

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 ggggacaggg tcaccataac ctgtagtgcc acctcaagta taacttacat gtcctgtatc 180
 agcagaagcc aggaaaggct cccaagcttc tgatttatga cacatccaac ctggctctgg 240
 ggtacctagc cgcttcagtg gcagtggtgc tgggaccgac tacacactca caatagcagc 300
 ctgcagccag aagattttgc cacttattac tgccagcagt ggagtagtta cccctcacgt 360
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<210> 8
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Humanized mouse

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50						55				60					
Glu	Trp	Leu	Gly	Val	Ile	Trp	Ala	Gly	Gly	Thr	Thr	Asn	Tyr	Asn	Ser
65				70						75				80	
Ala	Leu	Met	Ser	Arg	Leu	Thr	Ile	Ser	Lys	Asp	Thr	Ser	Lys	Asn	Gln
				85				90						95	
Val	Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr
		100						105				110			
Tyr	Cys	Ala	Arg	Gly	Pro	Pro	His	Ala	Met	Met	Lys	Arg	Gly	Tyr	Ala
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130						135				140					

[illegible]



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